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of *Sciences of Paris*, at *Easter 1746*, I heard Mr. *de Reaumur* read a Memoir on this Subject. My Glasſ ſeem'd to me vaſtly preferable to the Veſſels propoſed by that great Academician. This Incident roused my Emulation, and gave me the better Opinion of my Glasſ, a Pattern of which I ſent to M. *Morand*. The ſame Motive engages me to take the Advantage of the Freedom of Correſpondence re-eſta bliſhed between *France* and *England*, in ſending this Deſcription to the *Royal Society*.

IV. Observationes aliquæ *aſtronomiæ* à Reverendo P. P. *Suarez* è S. J. in *Paraquaria* habitæ, et per D. *Suarez* M. D. cum Soc. *Regali* communicatæ.

Presented Jan. 19.
1748-9.

ANN'O 1747, *Februarii 24*, poſt meridiem, nubilo cœlo toto fere tempore eclipſis Lunæ, hæc tantum obſervari potuerunt in miſſionibus *Paraquariæ Soc. Jeſ. à P. Bona-ventura Suarez*, ejuſdem Soc. miſſionario, in oppido *Sancti Angeli Cuſtodis*, poſt emerſionem ſecundi digiti Lunæ ex umbra Terræ, teleſcopio ped. 10½.

	h	l	"
Ariſtarchus emergit	14	31	47
Tycho emergit	14	37	30
Calippus emergit	14	56	47
Dionyſius emergit	15	0	4
Marc Criſ. incipit emergere	15	13	17
Finis Eclipſis	15	16	4
Intercapedinem			

Intercapedinem marginum occidentalium Lunæ, et *Maris Crisii* vix capiebat diameter minor maculæ *Platonis*.

Oppidum *Sancti Angeli* in missionibus *Paraguarie* Soc. *Jesu* est reliquis orientalius. Ejus longitudo ab insula *Ferri* est gr. 323. m. 30. et latitudo gr. 28. m. 17 *Aust.*

Eclipsis Lunæ ab eodem observata in oppido *Sanctæ Mariæ Majoris*, eodem anno 1747. *Augusti* 19. horis p. m.

Penumbra sensibilis erat hor. 14. 44'.

Immersio Lunæ et macularum in umbram.

	h	m	s
Initium	14	55	44
Aristarchus	15	0	13
Galilæus	15	0	41
Mare humor. incip.	15	4	14
Ang. infer. terræ pruina	15	5	29
Copernicus, &c.	15	9	26
Mare humor. totum	15	9	26
Plato, et Tycho æquidistabant a cent. umbræ	15	13	44
Idem	15	17	2
Plato et Tycho simul in margine umbræ	15	20	25
Digiti 6 obscurati	15	24	6
Menelaus	15	27	28
Dionysius	15	29	35
Lacus Somniorum	15	36	10
Maris Crisii Initium	15	43	41
Medium	15	46	26
B			Finis

Finis	15 49 16
Totalis obscuratio Lunæ	15 53 16

Emerfio Lunæ ex umbra.

Initium emerfionis	17 34 48
Grimaldus	17 36 52
Aristarchus	17 40 0
Plato	17 53 34
Tycho	18 0 23
Digiti 6 obscurati	18 3 30

Luna prope occafum vaporibus horizontis tremulâ non amplius fuit obfervata.

Toto tempore eclipfis Lunæ fuit cœlum valde ferenum.

Longitudo *S. Mariæ Maj.* ab infula *Ferri* gr. 322, m. 40.

Latitudo gr. 27, m. 51. Auftr.

V. Obfervatio *Eclipfis folaris* Julii 14, et *Lunæ* Julii 28, 1748. *Madriti* habitæ à Domino *Antonio de Ulloä* S. S. R:

Presl. Jan. 26.
1748-9.

CUM ad faciendam hujus eclipfis obfervationem paratum quidem eſſet teleſcopium reflexionis duos circiter pedes oblongum; cumque ſatis notus haberetur motus penduli cujuſdam aſtronomici, quo in mea ad *Peruvia* regna migratione ad plurimas ibidem una cum D. *Georgio Joanne* peractas obſervationes uſus fueram, animadverti